CLAIMS

What is claimed is:

1.   An apparatus for implementing color graphics on a remote computer, the

5   apparatus comprising:

a remote management controller having an EGA shadow look up table and a VGA

shadow look up table, the remote management controller being adapted to snoop

accesses to EGA and VGA color palettes of a video graphics controller, and to

10   create a copy of information in the EGA color palette in the EGA shadow look up

table and a copy of information in the VGA color palette in the VGA shadow look

up table, wherein information in the EGA shadow look up table and the VGA

shadow look up table is used to communicate correct color information to the

remote computer.

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2.   The apparatus, as set forth in claim 1, wherein the remote management controller

is adapted to snoop a bus coupled between a processor and the video graphics controller.

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3.   The apparatus, as set forth in claim 1, wherein the video graphics controller

comprises a frame buffer, and wherein the remote management controller is adapted to read color

palette index values of the frame buffer and use the color palette index values to index the

shadow look up tables to obtain the correct color values for pixels in the frame buffer.

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4.   A computer system comprising:

a first computer;

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a second computer;

a network coupling the first computer to the second computer;

15   the first computer comprising:

a processor;

a video graphics controller coupled to the processor, the video graphics controller

20   having an EGA color palette and a VGA color palette that are accessible

by the processor; and

a remote management controller having an EGA shadow look up table and a VGA

shadow look up table, the remote management controller being adapted to

snoop accesses by the processor to the EGA and VGA color palettes of the

video graphics controller, and to create a copy of information in the EGA

5   color palette in the EGA shadow look up table and a copy of information

in the VGA color palette in the VGA shadow look up table, wherein

information in the EGA shadow look up table and the VGA shadow look

up table is used to communicate correct color information to the second

computer via the network.

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5.   The system, as set forth in claim 4, wherein the first computer comprises:

a bus coupling the processor to the video graphics controller, the remote management

15   controller being adapted to snoop the bus for processor accesses to the EGA and

VGA color palettes of the video graphics controller.

6.   The system, as set forth in claim 4, wherein the system comprises:

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a plurality of computers coupled together via the network in addition to the first computer

and the second computer, wherein information in the EGA shadow look up table

and the VGA shadow look up table of the first computer is used to communicate correct color information to at least a portion of the plurality of computers via the network.

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7.   The system, as set forth in claim 4, wherein the video graphics controller comprises a frame buffer, and wherein the remote management controller is adapted to read color palette index values of the frame buffer and use the color palette index values to index the shadow look up tables to obtain the correct color values for pixels in the frame buffer.

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8.   A method of implementing color graphics on a remote computer, the method comprising the acts of:

15   (a)   snooping processor accesses to an EGA color palette of a video graphics controller and storing EGA color palette information from the processor in an EGA shadow look up table of a remote management controller;

(b)   snooping processor accesses to a VGA color palette of the video graphics controller and storing VGA color palette information from the processor in a VGA shadow look up table of the remote management controller; and

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(c)   using the EGA and VGA color palette information stored in the respective EGA

and VGA shadow look up tables to transmit correct color information to the

remote computer.

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9.   The method, as set forth in claim 8, wherein acts (a) and (b) comprise the act of:

snooping a bus for the processor accesses, where the bus couples the processor to the

video graphics controller.

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10.   The method, as set forth in claim 8, wherein acts (a) and (b) comprise the acts of:

reading color palette index values of a frame buffer of the video graphics controller; and

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using the color palette index values to index the shadow look up tables to obtain the

correct color values for pixels in the frame buffer.

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11.   An apparatus for implementing color graphics on a remote computer, the apparatus comprising:

a remote management controller having an EGA shadow look up table, the remote

management controller being adapted to snoop accesses to an EGA color palette

of a video graphics controller, and to create a copy of information in the EGA

color palette in the EGA shadow look up table, wherein information in the EGA

shadow look up table is used to communicate correct color information to the

remote computer.

12.   The apparatus, as set forth in claim 11, wherein the remote management controller

is adapted to snoop a bus coupled between a processor and the video graphics controller.

13.   The apparatus, as set forth in claim 11, wherein the video graphics controller

comprises a frame buffer, and wherein the remote management controller is adapted to read color

palette index values of the frame buffer and use the color palette index values to index the EGA

shadow look up table to obtain the correct color values for pixels in the frame buffer.

14.   An apparatus for implementing color graphics on a remote computer, the

apparatus comprising:

a remote management controller having a VGA shadow look up table, the remote

5   management controller being adapted to snoop accesses to a VGA color palette of

a video graphics controller, and to create a copy of information in the VGA color

palette in the VGA shadow look up table, wherein information in the VGA

shadow look up table is used to communicate correct color information to the

remote computer.

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15.   The apparatus, as set forth in claim 14, wherein the remote management controller

is adapted to snoop a bus coupled between a processor and the video graphics controller.

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16.   The apparatus, as set forth in claim 14, wherein the video graphics controller

comprises a frame buffer, and wherein the remote management controller is adapted to read color

palette index values of the frame buffer and use the color palette index values to index the EGA

shadow look up table to obtain the correct color values for pixels in the frame buffer.

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17.   A method of implementing color graphics on a remote computer, the method

comprising the acts of:

(a)   snooping processor accesses to an EGA color palette of a video graphics

5   controller and storing EGA color palette information from the processor in an

EGA shadow look up table of a remote management controller; and

(b)   using the EGA color palette information stored in the EGA shadow look up table

to transmit correct color information to the remote computer.

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18.   The method, as set forth in claim 17, wherein act (a) comprises the act of:

snooping a bus for the processor accesses, where the bus couples the processor to the

15   video graphics controller.

19.   The method, as set forth in claim 17, wherein act (a) comprises the act of:

20   reading color palette index values of a frame buffer of the video graphics controller; and

using the color palette index values to index the EGA shadow look up table to obtain the

correct color values for pixels in the frame buffer.

5   20.   A method of implementing color graphics on a remote computer, the method

comprising the acts of:

(a)   snooping processor accesses to a VGA color palette of a video graphics controller

and storing VGA color palette information from the processor in a VGA shadow

10   look up table of a remote management controller; and

(b)   using the VGA color palette information stored in the VGA shadow look up table

to transmit correct color information to the remote computer.

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21.   The method, as set forth in claim 20, wherein act (a) comprises the act of:

snooping a bus for the processor accesses, where the bus couples the processor to the

video graphics controller.

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22.   The method, as set forth in claim 20, wherein act (a) comprises the act of:

reading color palette index values of a frame buffer of the video graphics controller; and

5   using the color palette index values to index the VGA shadow look up table to obtain the

correct color values for pixels in the frame buffer.